

Converting Colors

CIELCh(33, 43.866, 122.840)

Have a look what the booklet for
CIELCh(33, 43.866, 122.840)
contains.

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Color

CIELCh(33, 43.624, 122.616)

Conversions

Conversions Part 1

Format	Color
Hex	38560A
RGB	56, 86, 10
RGB Percent	22%, 34%, 4%
CMY	0.7800, 0.6623, 0.9603
CMYK	0.35, 0.00, 0.88, 0.66
HSL	84°, 79%, 19%
HSV	84°, 88%, 34%
XYZ	5.0278, 7.5373, 1.4807
YIQ	68.3660, 6.5160, -29.9960

Conversions

Conversions Part 2

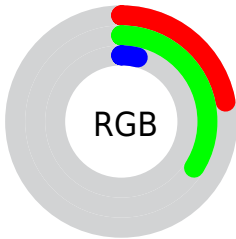
Format	Color
R_{YB}	10, 86, 40
Decimal	3692042
CIE _{Lab}	33.00, -23.51, 36.74
CIE _{LCh}	33, 43.624, 122.616
Yxy	7.5373, 0.3580, 0.5366
Android (android.graphics.Color)	4281882122 (0xFF38560A)
YUV	68.3660, -28.7744, -10.8450
Hunter-Lab	27.4541, -15.3554, 16.0201

Details

The CIELCh color **33, 43.624, 122.616** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **12, 51.420, 310.064**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 43.795, 122.678**, and **13, 28.639, 139.290** is the 20% darker color. If you saturate the color by 10%, you get **33, 46.740, 122.872**, and if you desaturate by 10%, it is **33, 40.207, 122.389**.

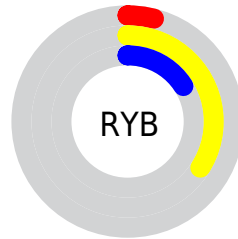
Distribution



Red (22%)

Green (34%)

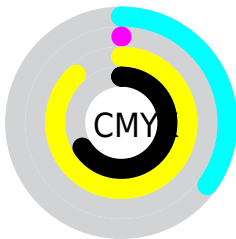
Blue (4%)



Red (4%)

Yellow (34%)

Blue (16%)

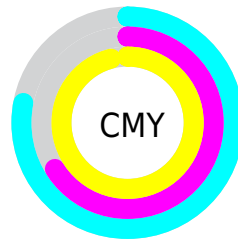


Cyan (35%)

Magenta (0%)

Yellow (88%)

Black (66%)



Cyan (78%)


Magenta (66%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 43.624, 122.616 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 33, 43.624, 122.616 by changing the saturation by 10% instead.


 33, 43.624,
122.616


 33, 43.624,
122.616

 100, 43.624,
122.616


 23, 43.624,
122.616

 53, 43.624,
122.616


 13, 43.624,
122.616


 63, 43.624,
122.616

 3, 43.624, 122.616

 73, 43.624,
122.616

 0, 43.624, 122.616

 83, 43.624,
122.616

 93, 43.624,
122.616

■ 33, 43.624,
122.616

■ 33, 43.624,
122.616

■ 33, 46.740,
122.872

■ 33, 40.207,
122.389

■ 33, 47.326,
122.883

■ 34, 36.051,
122.450

■ 34, 31.361,
122.706

■ 34, 26.309,
123.084

■ 35, 21.024,
123.528

■ 35, 15.598,
124.002

■ 36, 10.093,
124.482

■ 36, 4.555, 124.955

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



33, 43.624, 122.616



12, 51.420, 310.064

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33, 43.624, 122.616



33, 43.624, 172.616



33, 43.624, 302.616



33, 43.624, 352.616

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



33, 43.624, 122.617



46, 17.879, 124.067



22, 33.674, 54.494



22, 11.981, 123.973



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33, 43.624, 122.617



43, 57.191, 123.413



31, 49.703, 135.688



17, 3.115, 124.929



41, 55.299, 123.328



84, 99.126, 124.382

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



12, 51.420, 310.064



14, 69.261, 310.258



18, 49.309, 324.060



16, 3.160, 305.713



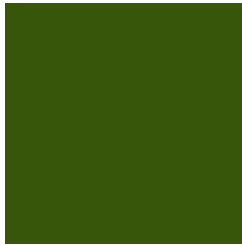
13, 66.971, 310.316



35, 119.991, 309.616

Previews

White Background



This preview shows how the CIELCh color 33, 43.624, 122.616 looks on a white background.

Color Contrast Check

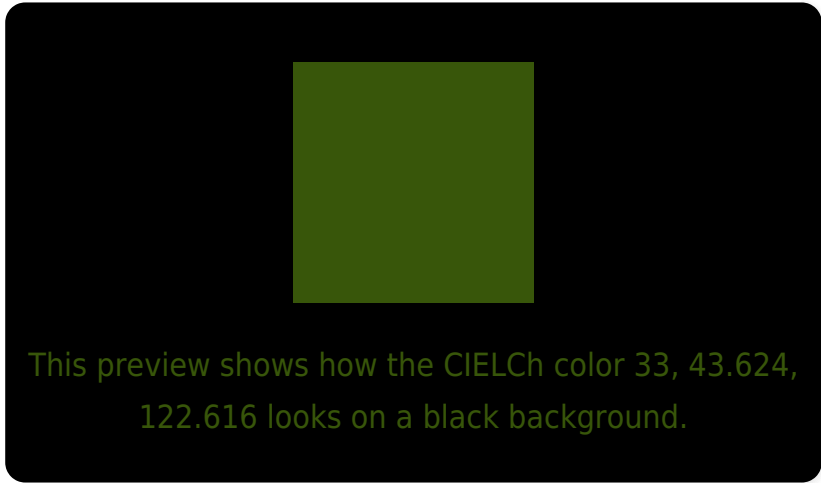
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

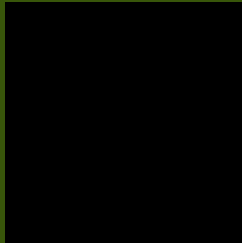
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 43.624, 122.616

Background



This preview shows how black text looks on a background with the CIELCh color 33, 43.624, 122.616.



This preview shows how white text looks on a background with the CIELCh color 33, 43.624, 122.616.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

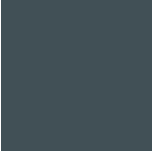
33, 43.624, 122.616

Protanopia

33, 38.903, 96.334

Deuteranopia

33, 34.836, 83.911



Tritanopia
33, 6.983, 231.666

Trichromacy



Original Color
33, 43.624, 122.616

Protanomaly
33, 39.540, 107.009

Deuteranomaly
32, 35.490, 100.474

Tritanomaly
33, 17.522, 138.366

Monochromacy



Original Color
33, 43.624, 122.616

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 18.318, 123.527

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 43.624, 122.616 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(56, 86, 10)` looks like.

```
.text, #text, p{  
    color:rgb(56, 86, 10)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(56, 86, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 86, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 43.624, 122.616 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(56, 86, 10) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(56, 86, 10) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(56, 86, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 86, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 86, 10);  
box-shadow:4px 4px 4px 4px rgb(56, 86, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 43.624, 122.616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 86, 10) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(56, 86,  
10) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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